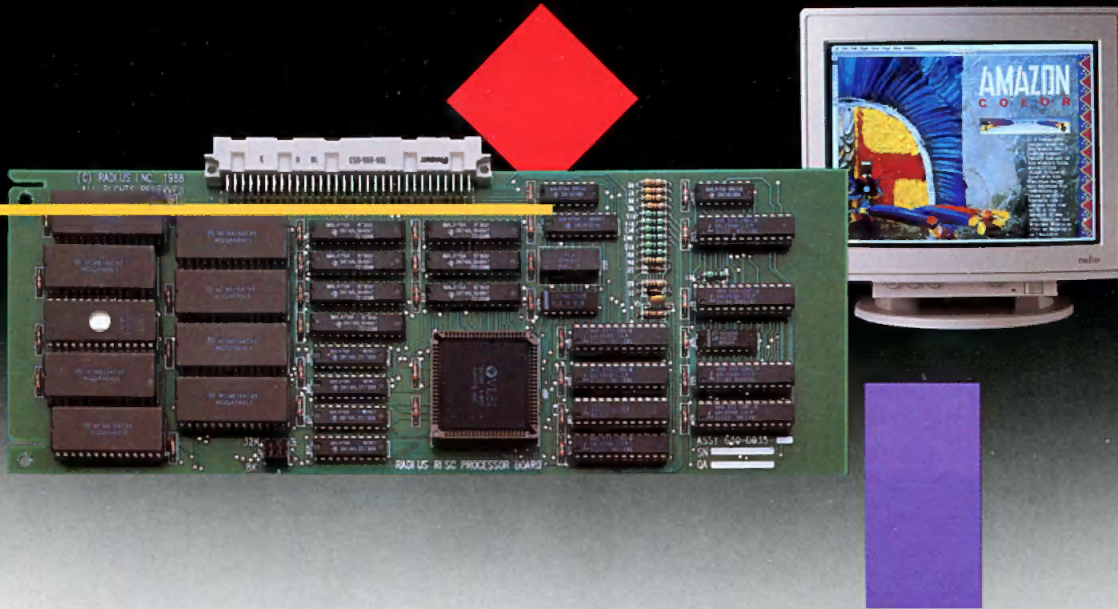


# Radius QuickColor™

Graphics Accelerator for the  
Macintosh II Family

Increases Performance of  
32-Bit QuickDraw Routines  
up to 600%



## Product Description

The Radius QuickColor Graphics Accelerator is a high performance hardware and software extension to Apple's 32-Bit QuickDraw. Based on a 6 million instructions per second (MIPS) RISC processor, QuickColor overtakes certain graphics routines, executes them, and rapidly transfers the data to the display. Common functions such as window movement, text scrolling, fills, and image displays occur up to 600% faster. Professional graphic artists and publishers who work in 16 and 32-bit applications will find QuickColor to be an indispensable productivity tool.

### Performance By Design

Advanced Radius software, RISC processing power, and NuBus Block Transfer implementations combine

to deliver QuickColor performance benefits. Radius software includes a multi-tasking RISC operating system as well as low level extensions to 32-Bit QuickDraw that intercept graphics routines normally routed to the Macintosh processor. QuickColor processes these diverted routines 50% faster than the Macintosh processor. Radius' implementation of Block Transfer on QuickColor and on Radius display interfaces then allows the graphics data to be transferred to the color display at 27 megabytes/second, 7 times the Macintosh processor's transfer performance.

### Radius Color Systems

Radius is dedicated to providing Macintosh users with high

performance graphics systems. A Radius Color System includes the Radius Color Display, the GS/C, DirectColor/16 or DirectColor/24 display interface, QuickColor, and RadiusWare, unique software bundled with all Radius displays. All Radius color interfaces incorporate Block Transfer technology to guarantee performance upgrade compatibility with QuickColor.

### Compatibility

Radius products are designed with the highest standards of Macintosh hardware and software compatibility. QuickColor is completely compatible with Apple's 32-Bit QuickDraw and ensures compatibility with applications that run in the 32-bit environment.

## Applications

- Professional Publishing
- Graphic Design
- General Business

radius™

<b>Features</b>	<b>Benefits</b>
6 MIPS RISC Processor	Processes 32-Bit QuickDraw operations up to 600% faster than the Macintosh processor
NuBus Block Transfer support	Allows data transfer rates of 27 Mbytes per second to the Radius GS/C and DirectColor Interfaces
Fully compatible with the Radius GS/C and DirectColor Series Interfaces	Provides a key component for high performance 16 and 32-bit Radius color systems
Compatible with 32-Bit QuickDraw System Software	Ensures highest level of 32-bit application software compatibility
Single-slot board	Occupies only one NuBus slot, leaving room for additional boards

**System Requirements** A Macintosh II system (QuickColor occupies one NuBus slot); Radius GS/C, DirectColor/16 or DirectColor/24 Interface, Radius Color Display, and Apple 32-Bit QuickDraw

### **Specifications**

#### **Hardware**

RISC processor: VL86C010 Acorn RISC Machine  
 Processor clock speed: 10 MHz  
 Average processor MIPS: 6 MIPS  
 Static RAM: 64 Kbytes;  
 zero wait states  
 NuBus data transfer modes:  
 2, 4, or 8 long word  
 block transfers  
 NuBus data transfer rate:  
 26.7 Mbytes per second  
 Card power consumption:  
 2 amps continuous

#### **Software**

RISC processor code: One INIT file  
 Control Panel Access: Enable and  
 Disable RISC  
 processor

#### **Environmental**

Operating conditions: 10° to 35°C  
 Humidity: 20% to 80%  
 Altitude: Sea level to 10,000 feet

#### **Compatibility**

Hardware: Fully compatible  
 with Radius Color  
 Display and Radius  
 GS/C and DirectColor  
 Interfaces  
 Software: Compatible with 32-Bit  
 QuickDraw software.  
 Call Radius or your  
 Radius Authorized Dealer  
 for information.

### **Ordering Information**

QuickColor Product Number: 0097

The Radius QuickColor Graphics Accelerator includes a User's Manual and QuickColor Software. Contact your local Radius Authorized Dealer or call Radius at 1-800-227-2795 for a dealer nearest you.

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Radius Inc., 1710 Fortune Drive  
 San Jose, CA 95131

Tel (408) 434-1010  
 Fax (408) 434-0770